Model:
RL29H6360*

Refrigerator

user manual

Free Standing Appliance

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条形码

DA68-02907B-2

SAMSUNG

Functions of refrigerator

Main functions of refrigerator

Your SAMSUNG three-door refrigerator can save space, improve storage and be energy saving.

- Fashionable appearance
  Bright silver handle, LED digital display and luxury style.
- Twin cooling-system frost free three-door refrigerator
  You own a frost-free refrigerator. Each compartment adopts the vertical air-cooled & recirculated refrigerating system, with independent temperature control, optimal fresh state, to avoid the loss of nutrition and odour tainting.
- Adjustment of cool select zone compartment -- wide-temperature zone
  You may store fish, meat, or fruits and vegetables at this compartment. Different storage temperatures can be realized by simple adjustment at damper. The temperature can be set according to the type of food. The demand of users for different storage temperatures can be satisfied.
- Reliable performance
  A full-enclosed high efficiency inverter compressor is adopted, realizing excellent performance and high reliability.
- Reasonable structure
  The arrangement is comprised of the upper fridge compartment and lower freezer compartment by which way to reduce the loss of cooling capability and save electricity. The fridge compartment where you may use frequently is at the upper position, for your convenient storage and pick-up.
- Magic box (optional)
  A multi-functional fresh box is used. The foods are separated to avoid odour tainting and enable the foods keep fresh and maintain the nutrition.

Welcome to buy the worldwide famous brand SAMSUNG refrigerator!
The content of this manual includes the description of types of RL29H6360*

* Colors and types: SL-EZ CLEAN STEEL

SAMSUNG

Please write down the model and serial number for reference in future.
You can see the model and serial number at the back of refrigerator.

Model No.: _____
Serial No.: _____

Safety Precautions

Safety Precautions

• Before operation, please read this manual carefully and keep it properly for usage in future.

• The following operation instructions cover different types of products; therefore, the functions of your product may be a little bit different from the description of this manual.

• This appliance is intended to be used in household and similar applications such as:
- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

Pay attention to warning signs

	A risk of serious injury or death
	Ae risk of personnel injury or material damage

Other signs

	Operations forbidden to be conducted
	Do not dismantle
	Do not touch
	You must follow these rules
	The power plug must be unplugged
	Grounding shall be done to prevent electric shock
	It is advised to be handled by servicemen

Please abide by these warning signs to prevent you and others being hurt.
After reading this chapter, please keep it properly for usage in future.

- Before operating this appliance, please install it correctly and put it at the proper place according to the requirements of the manual.
- Please use the appliance for the designed purpose only according to the requirements of the manual.
- It is strongly recommended the appliance shall be repaired and maintained by qualified personnel.
- Please check the label of compressor at the back of this appliance or the circuit diagram at the rear of refrigerator to confirm the refrigerant used by the refrigerator.

Safety Precautions

- R600a refrigerant is a kind of natural gas that can work under many environments. It is flammable, so please be careful and do not break any element of the refrigerating loop during transportation and installation of this appliance.
- Any refrigerant sprayed out of the pipeline may lead to burning or hurt your eyes. If you find any leakage, do not use open fire or hidden fire source, and vent the room where this appliance is installed for several minutes.

- To prevent that the refrigerant leaked from the refrigerating circuit mixing with air, which will generate flammable gas, the size of room where this appliance will be installed shall be confirmed according to the dosage of the refrigerant.

- If any damage is found on labels, do not turn on the appliance. For any further questions, please consult your dealer.
- The space of 1 cubic meter is needed for every 8 grams of R600a refrigerant.
- Please pay attention to the environment when raw materials of product packing are disposed.
- Do not change any inner parts of the refrigerator arbitrarily.

Serious Warning Signs

Several appliances are not allowed to be plugged at one multi-functional socket.
- This may lead to a risk of fire.

- The power plug shall not be placed too close to the back of refrigerator, so as not to crush or damage the power plug.
  - The damaged power plug may lead to fire due to overheat.
- Water shall not splash or flow onto the refrigerator.
  - This may lead to electric shock or fire.
- Heavy objects ovens or electric cooker and the like appliances shall not be placed on the power line.
  - This may lead to risk of short circuit or fire.
- Do not unplug the power lug by wet hands.
  - This may lead to a risk of electric shock.
- Do not place a container full of water on the top of refrigerator.
  - It may lead to a risk of fire or electric shock if water is spilled.
- Do not install the refrigerator at a moist or a place in contact with water.
  - The damage of insulation property of electronic device may lead to electric shock or fire.
- Volatile or flammable items shall not be stored in or used nearby the refrigerator.
  - Benzene, thinner, ethyl alcohol, diethyl ether, LP gas or other similar items may lead to explosion.

Safety Precautions

- Do not dismantle or repair the refrigerator by yourself.
  - This may lead to fire, failure or personnel injury.
- Do not replace the LED light by yourself. Please contact a professional serviceman if necessary.
- When the refrigerator is disposed as waste, please remove the refrigerator door/sealing strip, to prevent children being locked inside.
- The refrigerator must be earthed.
  - To prevent power consumption or leakage due to electric leakage of the refrigerator.
- Do not use gas pipe, telephone line other hidden lightning arrestor as the grounding.
  - Improper grounding may lead to electric shock.

Sign of caution

Caution

- Do not store too much food in the fridge compartment.
  - Foods may drop out when you open the door of refrigerator, which may lead to personnel injury or material damage.
- Do not store bottles or glass containers in the freezer compartment.
  - Do not put products made of glass into the freezer compartment, which may break when items inside are frozen and expanded.
- The power plug shall not be connected in case of being loosen.
  - It may lead to a risk of electric shock or fire.
- Do not unplug the power plug by pulling the power line.
  - This may damage the power line and lead to short circuit, fire or electric shock.
  - If the power line is damaged, it must be replaced by the manufacturer, certified maintenance agent or qualified servicemen.
- Goods are not allowed to be placed on the top of refrigerator.
  - When the door is opened or closed, goods may drop down and lead to personnel injury or material damage.
- Do not store drugs, high-tech materials or other temperature sensitive goods in the refrigerator.
  - Do not store any goods in the refrigerator which have strict limit at storage temperature.
- If your refrigerator is powered on at the first time, please put foods inside only after it is fully cooled, and foods shall not be near to the temperature sensor.
  - It may affect the correct display of temperature.
- Children are not allowed to play by or climb on the refrigerator.
  - It may damage the refrigerator or children may be hurt.
- Do not put your hands into the gap near to the shaft of opened door.
  - It may lead to personnel injury.

Safety Precautions

Caution

The refrigerator is refrigerated by the refrigerant, which are filled into the refrigerator by special processing technology. So the pipelines at the rear of refrigerator must be well protected and have no damage.

- If you find abnormal noise, peculiar smell or smoke, unplug the power plug immediately and contact with the nearest SAMSUNG electronics service center.
- When you clean the plug, do not use a wet cloth to remove any foreign items at the pins of the plug.
  - There is a risk of burning and fire.

- Do not stretch your hands to the bottom of the refrigerator.
  - You may be hurt by sharp edges.

- If the refrigerator will be idle for a long term, the power plug shall be unplugged.
  - It may lead to fire due to aging of insulating materials.

Warning

- Keep the air outlet and the air duct clean to prevent being blocked.
- Do not facilitate the defrosting process by mechanical devices or other methods except the method recommended by the factory.
- Do not damage the refrigerating system and the circuit.
- Do not use other electronic products inside the refrigerator unless otherwise recommended by the factory.

Some types of refrigerators have protective films at their surfaces. The protective films are used to avoid scratch during the transportation of the refrigerator. To prevent static electricity, please remove the protective films slowly. If the films are not removed for a long time, it may lead to color deviation of steel plate.

Warning

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The appliance has to be unplugged after use and before carrying out user maintenance on the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING: Do not damage the refrigerant circuit.
- WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the factory.

Warning

For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

The setting temperature of middle compartment is 0℃during energy consumption testing.

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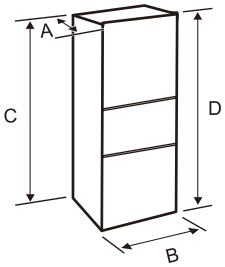
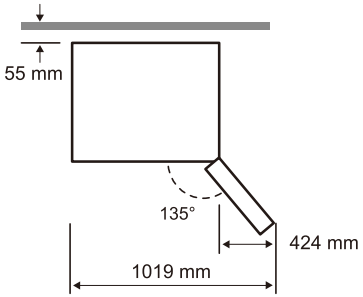
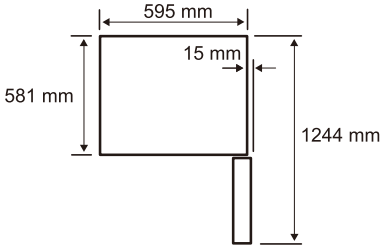
Install your SAMSUNG three-door refrigerator

Installation of refrigerator

Model	RL29H*
Depth “A”	668 mm
Width “B”	627 mm
Height “C”	1820 mm
Overall Height “D”	1850 mm



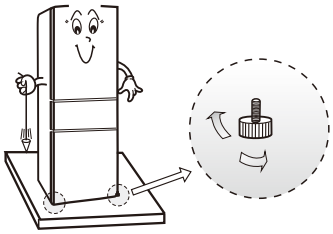




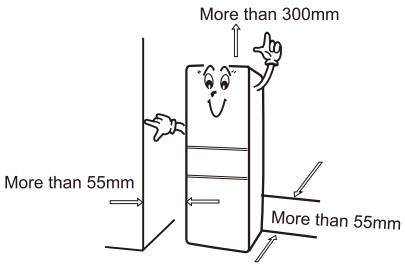
The measurements here are based on the design dimension,which may differ depending on the measuring method.

Please dismantle all packages including the inner adhesive tape during usage, and do remove the foam block at the bottom of refrigerator.

1. Put the refrigerator at a solid and flat position. Otherwise the inner cooling system may fail to work normally. If the refrigerator is placed a little bit uneven, you can turn the adjusting leg below the refrigerator to adjust the level (lifted by turning counterclockwise).



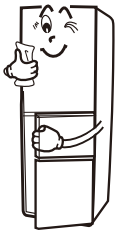
2. Leave enough space for placing the refrigerator.
   Please keep the rear and the side panel of the refrigerator at least 55mm far from the walls and the rear side of wall, and 300mm from the top wall.



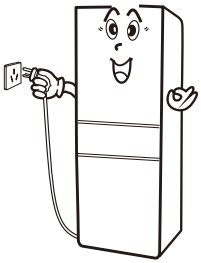
Install your SAMSUNG three-door refrigerator

Installation of refrigerator

3. Cleaning of refrigerator
   Wipe and clean both the interior and the exterior of refrigerator by wet cloth
   (Little neutral detergent may be added in warm water).



4. Connect the power plug after it stands still for 2 hours.
   Pay attention to conduct corresponding operation according to the displayed content of the refrigerator.



Grounding

Warning

- This appliance must be grounded before usage.
  - The electricity leakage of this appliance may lead to power consumption or electric shock.
  - Do not use coal gas pipe, telephone line or other hidden lightening arrestor as the grounding terminal.
- The power plug not being grounded is forbidden to be used.
  - The grounding line (yellow green or green) shall be well connected.

Operating instructions of SAMSUNG three-door refrigerator

Preparations before usage

After following steps, the refrigerator is ready to be used. If not, please check the power supply and the power source. For any doubt or question, please contact the nearest SAMSUNG service center.

1. Reassemble the shelf and the container that are dismantled for the purpose of transportation at proper positions.
2. Clean off each compartment and attachment, and remove accumulated dust during packing and shipment.
3. After the refrigerator is powered on, the light in the refrigerator will be turned on every time the door of fridge compartment is opened.
4. The refrigerator shall be a little bit cool one hour after it is powered on. Meanwhile the compressor shall be able to work normally, with gentle buzz.
5. When the temperature of refrigerator is low enough, you can store foods. Please do remember that it takes a couple of hours to reach proper temperature after the refrigerator is turned on.

Notice: Check the scope of voltage before connecting to the power source. The power line and the socket must be able to bear a current beyond 10A.

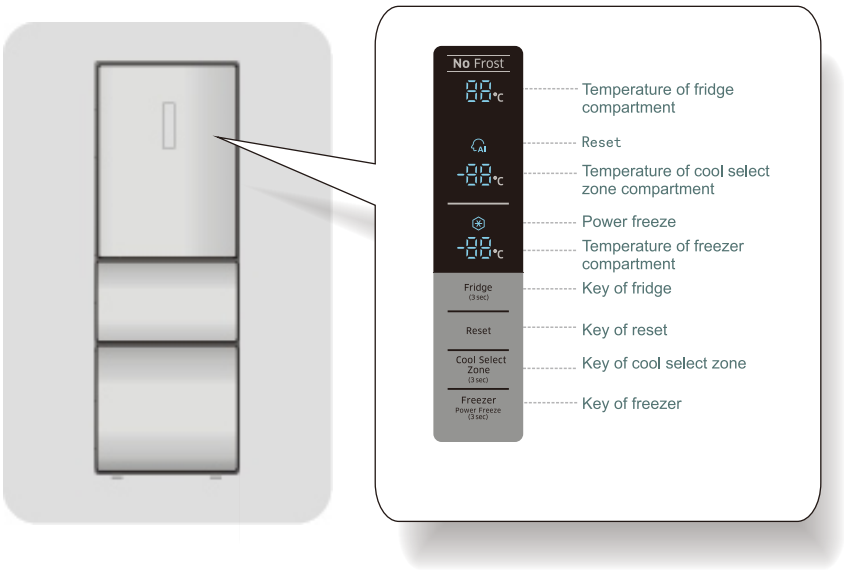
Initial power-on and temperature adjustment

After the power is connected, all displays are lighted up for 3 seconds. After 3 seconds, the refrigerator enters to the "Reset" mode. The icon of "Reset" is showed. The fridge compartment sets the temperature to be 5℃ automatically. The cool select zone compartment sets the temperature to be 0℃ automatically. And the freezer compartment sets the temperature to be -18℃ automatically. But the display zone of temperature indicates the actual temperature of each compartment.

※ The left figure shows the interface for setting temperature.

Operating instructions of SAMSUNG three-door refrigerator

Control panel



1.Key of fridge

- Press the "Fridge" key and the refrigerator will enter to the set state of fridge temperature. The setting temperature is showed at the temp display zone of fridge compartment. Now you can set up the temperature of fridge compartment.
- Press the "Fridge" key again to change the setting temperature of fridge compartment.
- Set up the temperature according to a circulation order of " 5˚C→4˚C→3˚C →2˚C→1˚C→7˚C→6˚C→5˚C".
- After the setting, press the "Fridge" key again in case it doesn't work within 5 seconds. And the setting will be completed.

2. Key of cool select zone

- Press the "Cool Select Zone" key and the refrigerator will enter into the set state of Cool Select Zone. The setting temperature is showed at the temp display zone of cool select zone compartment. Now you can set up the temperature of cool select zone compartment.
- Press the "Cool Select Zone" key again to change the setting temperature of cool select zone compartment.
- Set up the temperature according to a circulation order of "0℃→-5℃→-12℃→-18℃→4℃→2℃→0℃". The characteristic temperature of cool select zone compartment is 0℃.
- After the setting, press the "Cool Select Zone" key again in case it doesn't work within 5 seconds. And the setting will be completed.

Notice: When the setting temperature is -18℃, it is advised to be used as a two-star freezer compartment.
When the cool select zone compartment is adjusted to be at -18℃, it is advised to set the temperature of freezer compartment lower than -20℃.

3. Key of freezer

- Press the "Freezer" key and the refrigerator will enter into the set state of freezer temperature. The setting temperature is showed at the temp display zone of freezer compartment. Now you can set up the temperature of freezer compartment.
- Press the "Freezer" key again to change the setting temperature of freezer compartment. Set up the temperature according to a circulation order of "–18℃→–19℃→–20℃→–21℃→–22℃→–23℃→–14℃→–15℃→–16℃→–17℃→–18℃".
- After the setting, press the "Freezer" key again in case it doesn't work within 5 seconds. And the setting will be completed.

4. Key of reset

- At the first time of power-on, the system enters into the mode of reset by default. That is to say, the fridge compartment is at 5℃, the cool select zone compartment at 0℃ and the freezer compartment at -18℃.
- Under the mode of reset, press the "Reset" key, and the refrigerator will exit the mode of reset immediately. Now the icon of "Reset" is not displayed.
- Under the status of temperature setting, press the "Reset" key, and the status of temperature setting will quit immediately. The system enters into the mode of reset.
- After the mode of reset is selected, the refrigerator will work by the fridge compartment at 5℃, the cool select zone compartment at 0℃ and the freezer compartment at -18℃.

5. Function of fridge OFF

- Under normal status, press and hold the "Fridge" key for 3 seconds, and the refrigerator will activate the function of fridge OFF.
- When the function of fridge OFF is selected, the fridge compartment will be closed. The display zone of fridge temperature shows "OF", you are only allowed to adjust the temperature of cool select zone compartment and the freezer compartment and select the function of "Reset". Select the function of "Reset" under the function of fridge OFF, the function of fridge OFF will be cancelled.

• Under the state of fridge OFF, press and hold the "Fridge" key for 3 seconds. The refrigerator exits the function of fridge OFF. The temperature of the fridge compartment resumes to the normal display status. The refrigerator resumes to the original operation status. And the setting temperature goes back to the value before entering the state of fridge OFF.

Notice: When it is under the function of fridge OFF, do not store foods in the fridge compartment. Now the compartment may be a little bit cool, so as to avoid peculiar smell that may happen when the fridge compartment is idle for a long time.

6. Function of cool select zone OFF

• Under normal status, press and hold the "Cool Select Zone" key for 3 seconds, and the refrigerator will activate the function of cool select zone OFF.
• When the function of cool select zone OFF is selected, the cool select zone compartment will be closed. The display zone of cool select zone temperature shows "OF", you are only allowed to adjust the temperature of fridge compartment, the freezer compartment and select the function of "Reset". Select the function of "Reset" under the function of cool select zone OFF, the function of cool select zone OFF will be cancelled.
• Under the state of cool select zone OFF, press and hold the "Cool Select Zone" key for 3 seconds. The refrigerator exits the function of cool select zone OFF. The temperature of the cool select zone compartment resumes to the normal display status. The refrigerator resumes to the original operation status. And the setting temperature goes back to the value before entering the state of cool select zone OFF.

Notice: When it is under the function of cool select zone OFF, do not store foods in the cool select zone compartment. Now the compartment may be a little bit cool, so as to avoid peculiar smell that may happen when the cool select zone compartment is idle for a long time.

7. Function of power freeze

• Under normal status, press and hold the "Freezer" key for 3 seconds, and the refrigerator will activate the function of power freeze. The icon of power freeze turns bright.

Suggestion: If you want to store lots of foods in the freezer compartment, or to quick freeze by the freezer compartment, it is advised to activate the function of power freeze.

• After the function of power freeze enters into effect, and the refrigerator keeps running for 2.5 hours, it will exit the state of power freeze and resume to its original state.
Three ways to cancel the function of power freeze:
1) Press again the "Freezer" key for 3 seconds, to exit the state of power freeze;
2) After 2.5 hours, the refrigerator will exit the state of power freeze automatically;
3) When the function of "Reset" is selected, the refrigerator will exit the state of power freeze automatically.

After the refrigerator exits the state of power freeze, the icon of power freeze turns black.
After the refrigerator exits the state of power freeze, the refrigerator operates by the latest setting temperature.

Operating instructions of SAMSUNG three-door refrigerator

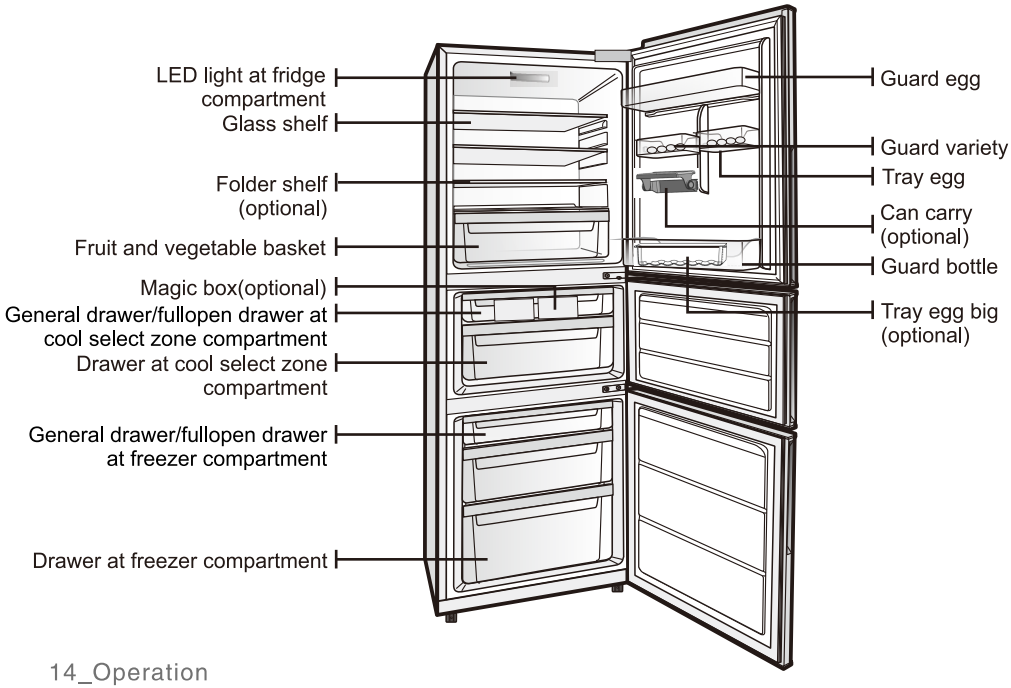
8. Function of door-opening alarm

• When the door of fridge compartment/freezer compartment is opened for 2 minutes, the buzzer will send an alarm; the alarm keeps 10 seconds at the beginning, then stops for 50 seconds and then keeps 10 seconds again, which circulates in such order until the user closes the door. After all doors of the refrigerator are closed, the alarm stops.

9. Function of display of energy saving

• To realize energy saving, after the refrigerator is operated for 10 seconds, except icons of functions that have already been under operation (such as reset and power freeze), other display zones will not be further showed. When it comes to the second operation, it resumes to the normal state.

Diagram of refrigerator



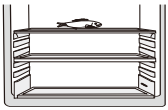
Operating instructions of SAMSUNG three-door refrigerator

Instructions on food storage

It is better to package foods by preservative bags (films), or cover the containers where there are foods inside, to prevent food from air drying or taste tainting.

Hot foods and drinks shall be cooled to room temperature before they are put into the refrigerator.

Cooked food shall be separated with uncooked food.



Foods shall not be placed too close to with each other. Sufficient space shall be left for the purpose of cool air circulation.

1. Foods shall not be stored too close to the temp sensor.
2. Foods or containers shall not be too close the rear wall of the refrigerator.

It is better to divide the food into several small pieces for storage.

For foods washable, such as fruits or vegetables, it is better to wash and dry them before storage.

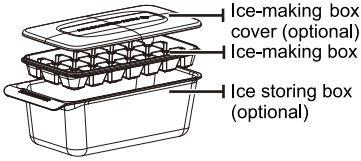
Fruits and vegetables shall be put into the fruit and vegetable basket or the drawer of cool select zone compartment, so as to maintain their water and freshness.

Operating instructions of SAMSUNG three-door refrigerator

Tropical fruits such as banana and pineapple shall not be stored in the refrigerator;
Items with strict demand on temperature shall not be stored, such as serum, vaccine, drugs and academic materials, etc.

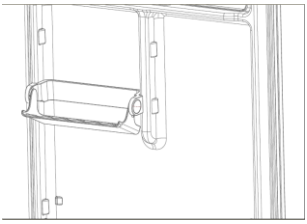
If the freezer compartment is used for storing lots of foods, ice-making or power freeze, you may also take out the drawer at this compartment, and put a glass partition directly on frozen foods.

To realize the best ice-making effect, please adjust the temperature of freezer compartment to -23℃ or the state of "power freeze" before ice-making. When the temperature of the refrigerator is at -23℃, put the ice-making box with certain volume of water (water not exceeding the highest position of the box). It is advised to open the cover of ice-making box during ice-making, which is put at the upper drawer of the freezer compartment. By this way, the ice-making can be speeded up.

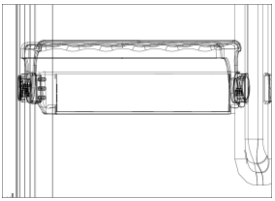


Can carry (optional) have two states:

1. Usage state. Turn it downward to the limited position, and you may put containers like cans on it.



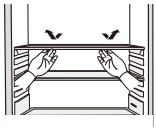
2. Non-usage state. Turn it upward to the limited position. You may leave bigger space for the big bottle shelf below, and thus you can store higher containers.



Maintenance and cleaning

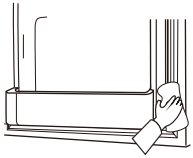
Internal attachments

Remove all shelves, door frames, basket, cover and drawer, etc.
Wipe and clean by warm water or neutral detergent (for washing bowls and chopsticks) with soft cloth. After cleaning by detergent, wash by fresh water and wipe it by dry cloth.



Door seal strip

Please wipe carefully the door seal trip. Clean the groove part by a wooden chopstick wrapped with cotton. After the seal strip is cleaned, fix it at four corners firstly and then the other parts.



Cautions on cleaning of both the interior and the exterior of refrigerator

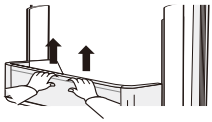
- Firstly unplug the power plug before cleaning. The interval for plugging and unplugging shall be more than 5 minutes;
- Water is not allowed to enter the light box during cleaning;
- Wipe and clean by warm water or neutral detergent with soft cloth. And then wipe it by dry cloth.
- Do not wipe and clean by cleaners containing abrasive compound (such as tooth paste), acidic material, chemical solvent (such as alcohol) or polishing paste; please clean it periodically to ensure the usage performance of the refrigerator.

Please conduct the following checks after maintenance to see:
If the power line has any crack or damage;
If the power plug is properly inserted to the socket;
If the power plug is heated abnormally.

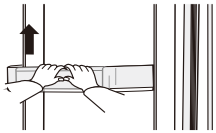
Operating instructions of SAMSUNG three-door refrigerator

Dismantling of attachments

1. Bottle shelf
- Remove it after lifting it upward.

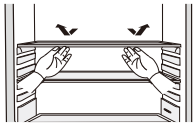


2. Egg storing shelf
- Remove it after lifting it upward.

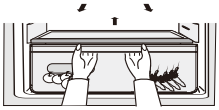


3. Shelf of fridge compartment
- Remove by pulling it outward after the front of its shelf is lifted.

When you put the shelves back , make sure the side with the label “Rear” on it face the rear of the refrigerator.



4. Fruit and vegetable basket and cover
- Remove the fruit and vegetable basket directly by pulling it out.
- Lift the front of the fruit and vegetable basket and then remove it by pulling it outward.



5. Drawer of freezer compartment
- Pull it outward to the stop and remove it after lifting.

Failure analysis

Not refrigerating, not cold, too cold	Refrigerator out of work	- The plug is not well plugged. - The power is not connected. - The power is connected again when power cut doesn't reach 7 minutes during operation of refrigerator.
	Foods in the fridge compartment are frozen	- Setting temperature too low. - The stored foods contact the cold source at the rear wall. - The refrigerator is under power freeze state.
	Long time operation of refrigerator	- The ambient temp in Summer is high. - Frequent opening of door. - Foods are accumulated nearby the temp sensor. - The ventilation at exterior of refrigerator is bad.
	Insufficient freezing of freezer compartment	- The door is not well closed. - The door seal strip is damaged or distorted, and the seal is not tight. - The refrigerator is nearby heat source or exposed in direct sunlight. - The ventilation of refrigerator is bad.
Abnormal noise from refrigerator	Uneven placing of refrigerator	- If the refrigerator is placed a little bit uneven, the operating sound of refrigerator will be increased, and you can turn the adjusting leg below the refrigerator to adjust the level.
	Sound of air low or hum	- The interior temperature of refrigerator can be quickly reduced by refrigerant running in pipelines. The refrigerant can be in liquid or gas state. The flowing of which will lead to a gentle noise.
	Slight “whir”	- The compressor is under operation. At the beginning of start, the sound is a little bit high. The sound of high efficient refrigerator is a little bit high because the compressor works fiercely.
	Slight “hum”	- A fan is mounted inside the refrigerator for the purpose of air circulation. When the fan is rotating, a sound of air flowing and a sound of motor rotating will be generated.

Failure analysis

	Sound of “click” and “bo'	- When the refrigerator is turned on/off, the sound such as “click” and “bo” may happen suddenly because the main control panel, the start relay and heat protector, solenoid valve and the like electronic elements are connected or disconnected from time to time.
		- When the refrigerator is under operation, the change of temperature may lead to food crack or “flap” sound from the inner attachments due to thermal expansion.
Condensation/ water leakage Frosting/ freezing	Mid beam and frame are condensed	- It may happen in case of high humidity. - Dry by soft cloth.
	The fruit and vegetable chamber is condensed	- The door is opened too long. - The liquid food is not stored with cover.
Heating at two sides and peculiar smell	The front frame or side plate of refrigerator is heated	- To prevent water vapor condensation at the frame, the frame shall be equipped with an anti-dew pipe. The refrigerator turning hot during operation is a normal phenomenon instead of fault. - Radiators (condensers) are mounted at two sides of the refrigerator. Heating at two sides is a normal phenomenon.
	Peculiar smell in the refrigerator	- Odorous foods shall be sealed tightly. - Check if any food goes bad. - The interior of refrigerator needs to be cleaned.

The temperature of refrigerator is reduced by the circulation of compressor and refrigerant, so as to maintain the freshness and nutrition of foods in the refrigerator. When the refrigerator is under operation, you may hear a slight noise. This is a normal phenomenon. Don't worry about it.

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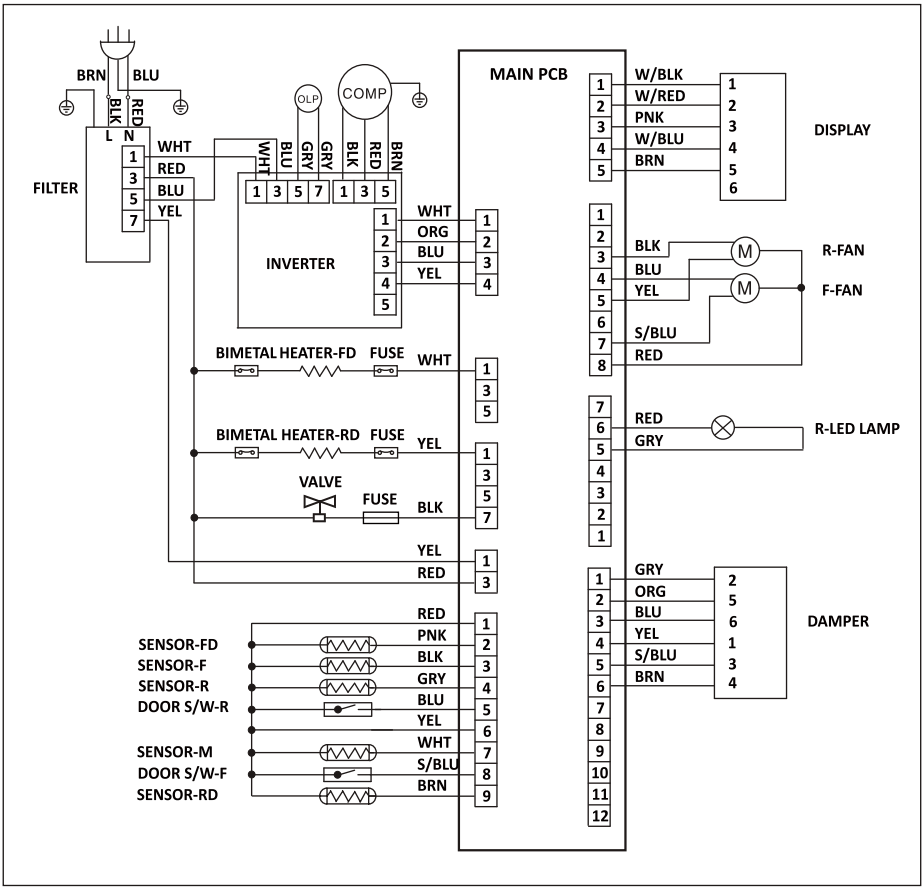
Maintenance work must only be carried out at workshop by well-trained maintenance worker.

- The refrigeration system behind and inside the refrigerator contains refrigerant.
- Do not allow any sharp objects to come into contact with the refrigeration system.
- Do not use other electric appliances inside the refrigerator.
- Children should be supervised to ensure that the refrigerator should be used properly.
- Do not use the mechanical devices or other means to accelerate the defrosting process, unless they are of the type recommended by the manufacturer.
- Do not block the openings on the circumstances of the refrigerator.
- In case of having damaged the refrigerant circuit, do not use electric items or fire equipment nearby, and open all windows to provide good ventilation.
  Please also contact your local maintenance agent to follow up.

Circuit diagram



Functions of fault diagnosis

No.	Failure	Display of freezer compartment	Display of fridge compartment	Failure description
1	Failure of sensor at freezer compartment	1		Short circuit or disconnection of sensor
2	Failure of sensor at fridge compartment	2		
3	Failure of defrosting sensor at freezer compartment	4		
4	Failure of defrosting sensor at fridge compartment	5		
5	Failure of ambient temp sensor	6		
6	Failure of cool select zone sensor	7		
7	Failure of freezer compartment fan	21	E	The fan is blocked
8	Failure of fridge compartment fan	22		
9	Defrosting failure at freezer compartment	24		The defrosting heater operates over limit time
10	Defrosting failure at fridge compartment	25		
11	Failure at electric heater of damper at cool select zone compartment	27		Damper heater is disconnected
12	Communication, not matched	OP		Error in communication
13	Bad communication	PC		

Memorandum

Ambient Room Temperature Limits

This fridge/freezer is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range(°C)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

NOTE: Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

English

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

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